

Updated 07/31/08

Task	Subtask	Who	Start	End	Completed
KEY:					
Red: Highest Priority; Blue: Completed; Black: Upcoming					
Processing GEOS Met Fields				9/15/08	
Port processing scripts to discover from palm		Megan	7/14/08	8/15/08	
Process archived metfields		Megan	4/11/08	9/15/08	
2008 Runs with GEOS5 Metfields				TBD	
Gather requirements		Megan	TBD	TBD	
2004 Aura4 runs with new Lightning Parameterization				8/13/08	
Convert file from binary to netcdf		Megan	7/29/08	7/31/08	
Update code to read input file		Megan	7/31/08	8/5/08	
Perform runs		Megan	8/6/08	8/13/08	
Update GMI workflow tool				TBD	
GMI Support for short term issues		Megan	TBD	TBD	
Improve input and restart file handling		Megan	TBD	TBD	
Add functional compile task		Megan	TBD	TBD	
Add a way to validate a set of namelist variables with a		Megan	TBD	TBD	
Implementing GEOS5 Changes in GMI				TBD	
Add option to use predicted CH4/H2O instead of clim.	Jules/David		TBD	TBD	
H2O and H2OCOND transported when using predicted	Jules/David		TBD	TBD	
Match GMI and G5 H2O un	Jules/David		TBD	TBD	
Hand H2OCOND to H2O if H2OCOND in trop	Jules/David		TBD	TBD	
Implement time-flexible interpolation for monthly BCs	Jules/David		TBD	TBD	
1 year test aura4 run with new tropopause/PSC routine	Megan/Jules		TBD	TBD	

Update GMI to use GEOS5 metfields

8/29/08

Make any other needed code changes	Megan	6/30/08	8/22/08
Generate a test run with G5 metfields	Megan	8/22/08	8/29/08
Test trace gas and aerosol output	Megan	TBD	TBD

Gas-phase/aerosol coupling

TBD

Run model with new sulfur chem-gas phase only	Steve	TBD	TBD
Run model with new gas phase chem and aerosol model	Steve	TBD	TBD
Run model with new chem and aerosol modules and output	Steve	TBD	TBD
Run model with aerosol and chem interacting	Steve	TBD	TBD

Update JPL06 Cross-sections

TBD

Have cross-sections validated by M. Prather	Huisheng	3/6/08	TBD
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Add advecCore to the GMI code

9/5/08

Deal with MAPL/GMI conflict			
Implement plan to update MAPL		TBD	TBD
Debug n-processor decomposition	Jules	6/25/08	8/15/08
ESMF advecCore Implementation			
Interfaces between advecCore and GMI		6/1/08	8/15/08
Run method		6/1/08	8/15/08
Test new code and validate	Jules	8/15/08	9/5/08

Processing ECMWF Met Fields

Process 2006 ECMWF fields from Michael Prather	Jules/Tom	TBD	TBD
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Other Code Updates/Model Runs/Issues

Varies

Southern hemisphere biomass burning runs	Megan	TBD	TBD
Generate workflow example and distribute	Megan	TBD	TBD
Migrate from email groups to ModelingGuru	GMI Team	4/10/08	TBD
Update production run spreadsheet	Megan	as needed	
Gather comments on User's Guide and edit	Megan/Gary/Jul	as needed	

Assist scientists as needed	Jules/Megan	as needed	
Fix advec_opt bug	Jules	TBD	TBD
Implement stratospheric water transport	Jules/David	TBD	TBD
Generate self-contained/regression tests for code	Megan	9/12/07	TBD
Decide on monthly vs. daily interpolation	TBD	TBD	TBD
Fix date/met field bug	Jules/Megan	TBD	TBD
Fix leap year bug	Jules/Megan	TBD	TBD
Fix "no emission" bug	Jules	TBD	TBD
Add Linoz to the model	Jules/Steve		
Test Combo/strat code with GCR files	Jules/Steve		
Condense emissions variables into two variables	Jules		
Change netCDF data format	Jules		
Hindcast runs	Megan		
Introduce mesospheric chemistry	Jules/Megan		